		Exploring the Ex	treme				
		2008 Science					
Grade and Course Level Expectations							
Missouri Science							
Grade K							
Activity/Lesson	State	Standards					
Finding the Center of			Identify ways (push, pull) to cause some				
Gravity Using Rulers	MO	SCI.K.2.2.A.a	objects to move by touching them				
Finding the Center of		00116 = 4.4.1	Conduct a simple investigation (fair test) to				
Gravity Using Rulers	МО	SCI.K.7.1.A.b	answer a question				
Finding the Center of			Magazira langth and magazing nan				
Finding the Center of		SCI.K.7.1.B.c	Measure length and mass using non- standard units				
Gravity Using Rulers	IVIO	SCI.K.7.1.B.C	Use observations to describe relationships				
Finding the Center of			and patterns and to make predictions to be				
Gravity Using Rulers		SCI.K.7.1.C.b	tested				
Gravity Osing Rulers	IVIO	3CI.K.7.1.C.D	lested				
	1	 Exploring the Ex	rtreme				
		2008 Science					
	Grade a	nd Course Level					
Missouri Science	Orace a	TIG OOGISC ECVE	Lxpcotations				
Grade 1							
Activity/Lesson	State	Standards					
Finding the Center of			Plan and conduct a simple investigation (fair				
Gravity Using Rulers		SCI.1.7.1.A.b	test) to answer a question				
, ,			,				
Finding the Center of			Measure length, mass, and temperature				
Gravity Using Rulers	MO	SCI.1.7.1.B.c	using standard and non-standard units				
		Exploring the Ex	treme				
		2008 Science					
	Grade a	nd Course Level	Expectations				
Missouri Science							
Grade 2							
Activity/Lesson	State	Standards					
			Discourse in the second				
Finding the Center of		0010744	Plan and conduct a simple investigation (fair				
Gravity Using Rulers	MO	SCI.2.7.1.A.b	test) to answer a question				
Einding the Carter of			Magazira langth mass and tamparatives				
Finding the Center of Gravity Using Rulers		SCI 2.74 B c	Measure length, mass, and temperature				
Gravity Using Rulers	IVIU	SCI.2.7.1.B.c	using standard and non-standard units				
]	 Exploring the Ex	rtrama				
		2008 Scienc					
	Grade a	nd Course Level					
Missouri Science	Jiaue a	Course Level					
Grade 3							
Activity/Lesson	State	Standards					
,	Joiato	Julianus					

	1	1	T				
Finding the Center of			Plan and conduct a fair test to answer a				
Gravity Using Rulers		SCI.3.7.1.A.b	question				
Finding the Center of		001.3.7.1.A.D	question				
Gravity Using Plumb			Plan and conduct a fair test to answer a				
Lines	МО	SCI.3.7.1.A.b	question				
Changing the Center	IVIO	301.3.7.1.A.D	question				
of Gravity Using			Plan and conduct a fair test to answer a				
Moment Arms	MO	SCI.3.7.1.A.b					
	IVIO	SCI.3.7.1.A.D	question				
Changing the Center			Measure length to the nearest centimeter,				
of Gravity Using	MO	CCI 2 7 4 D a	mass using grams, temperature using				
Moment Arms	МО	SCI.3.7.1.B.c	degrees Celsius, volume using liters				
		│ Exploring the Ex	tromo				
		2008 Scienc					
	Grade an	d Course Level					
Missouri Science	Orage an		-Apotationo				
Grade 4							
Activity/Lesson	State	Standards					
7.00.1710.77.2000011	Otato	Otaniaa ao					
Finding the Center of			Formulate testable questions and				
Gravity Using Rulers		SCI.4.7.1.A.a.	explanations (hypotheses)				
Cravity Comig Haioro		001111111111111111111111111111111111111	одрания (нурошевоз)				
Finding the Center of							
Gravity Using Rulers		SCI.4.7.1.A.c.	Conduct a fair test to answer a question				
Finding the Center of			Conduct a fair toot to anower a queetien				
Gravity Using Plumb			Formulate testable questions and				
Lines	МО	SCI.4.7.1.A.a.	explanations (hypotheses)				
Finding the Center of			оприменение (пураменение)				
Gravity Using Plumb							
Lines	MO	SCI.4.7.1.A.c.	Conduct a fair test to answer a question				
Changing the Center							
of Gravity Using			Formulate testable questions and				
Moment Arms	MO	SCI.4.7.1.A.a.	explanations (hypotheses)				
Changing the Center	-		, ()				
of Gravity Using							
Moment Arms	MO	SCI.4.7.1.A.c.	Conduct a fair test to answer a question				
			Measure length to the nearest centimeter,				
Changing the Center			mass using grams, temperature using				
of Gravity Using			degrees Celsius, volume to the nearest				
Moment Arms	МО	SCI.4.7.1.B.c.	milliliter, force/weight to the nearest Newton				
Changing the Center	****						
of Gravity Using			Analyze whether evidence supports				
Moment Arms	МО	SCI.4.7.1.C.d.	proposed explanations				
	-		I -1				
Exploring the Extreme							
2008 Science							
Grade and Course Level Expectations							
Missouri Science	J. 3.3.3 4.						
Grade 5							
Activity/Lesson	State	Standards					
	I		1				

			Formulate testable questions and				
Jet Propulsion	МО	SCI.5.7.1.A.a	Formulate testable questions and explanations (hypotheses)				
Jet Fropulsion	IVIO	3CI.3.7.1.A.a	Identify a question that was asked, or could				
			be asked, or a problem that needed to be				
			solved when given a brief scenario (fiction or				
			nonfiction of people working alone or in				
			groups solving everyday problems or				
Jet Propulsion	МО	SCI.5.8.3.A.a	learning through discovery)				
Jet Propulsion	IVIO	3CI.3.6.3.A.a	Formulate testable questions and				
Vactoring	МО	SCI.5.7.1.A.a	explanations (hypotheses)				
Vectoring Vectoring	MO	SCI.5.7.1.A.a	Conduct a fair test to answer a question				
vectoring	IVIO	3CI.3.7.1.A.C	Evaluate the reasonableness of an				
Vectoring	МО	SCI.5.7.1.C.c					
Vectoring	IVIO	301.3.7.1.0.0	explanation				
		Evaloring the Ex	vtreme				
Exploring the Extreme 2008 Science							
Grade and Course Level Expectations							
Missouri Science							
Grade 6							
Activity/Lesson	State	Standards					
			Formulate testable questions and				
Jet Propulsion	МО	SCI.6.7.1.A.a	hypotheses				
'			Formulate testable questions and				
Vectoring	МО	SCI.6.7.1.A.a	hypotheses				
Vectoring	МО	SCI.6.7.1.A.c	Design and conduct a valid experiment				
	·	Exploring the Ex					
		2008 Science					
	Gra	ade and Course Leve	Expectations				
Missouri Science							
Grade 7	_						
Activity/Lesson	State	Standards					
			Formulate testable questions and				
Jet Propulsion	MO	SCI.7.7.1.A.a	hypotheses				
			Formulate testable questions and				
Vectoring	MO	SCI.7.7.1.A.a	hypotheses				
Vectoring	MO	SCI.7.7.1.A.c	Design and conduct a valid experiment				
\		00177401	Determine the appropriate tools and				
Vectoring	MO	SCI.7.7.1.B.b	techniques to collect data				
Vactoring	MO	CCI 7 7 1 D f	Judge whether measurements and				
Vectoring	MO	SCI.7.7.1.B.f	computation of quantities are reasonable Evaluate the reasonableness of an				
Vectoring	MO	SCI 7 7 1 C d					
Vectoring	MO	SCI.7.7.1.C.d	explanation (conclusion)				
		Exploring the Ex	vtreme				
		2008 Science					
	Gr	ade and Course Leve					
Missouri Science							
Grade 8							
Activity/Lesson	State	Standards					
	10.0.0	Julianiao	Formulate testable questions and				
Jet Propulsion	МО	SCI.8.7.1.A.a	hypotheses				
	1						

			Describe explanations have changed over
Jet Propulsion	MO	SCI.8.8.2.B.b	time as a result of new evidence
			Formulate testable questions and
Vectoring	MO	SCI.8.7.1.A.a	hypotheses
Vectoring	MO	SCI.8.7.1.A.c	Design and conduct a valid experiment
			Determine the appropriate tools and
Vectoring	MO	SCI.8.7.1.B.b	techniques to collect data
			Judge whether measurements and
Vectoring	MO	SCI.8.7.1.B.f	computation of quantities are reasonable
			Recognize that different kinds of questions
			suggest different kinds of scientific
			investigations (e.g., some involve observing
			and describing objects organisms, or events;
			some involve collecting specimens; some
			involve experiments; some involve making
			observations in nature; some involve
Center of Gravity,			discovery of new objects and phenomena;
Pitch, Yaw	MO	SCI.8.7.1.A.e	some involve making models)